

## Abstract of the Disclosure

A machine that is a self regulating rotor with a set of cups or vanes that are pivotally attached about a central axis such that they form a closed three dimensional shape when closed, and when rotated into an open orientation form an s-shaped rotor, when viewed as a horizontal cross section, a cup shaft to which each cup is attached, such that the cup can pivot or rotate from a closed shape to an open s-shaped rotor, end plates through which cup shafts are pivotally supported, a central shaft to which end plates are attached, a rotational energy connecting element attached to the cups shafts, that control rotation of cup shafts, a rotational speed sensor, and a breaking device.